BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA DIVISION

YELAHANKA ZONE

Name of work: Improvements to drains from 4th cross to 6th cross of navyanagara in ward No.07 Byatarayanapura

Estimate Cost:- 51.00 akhs

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N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	4th Cross		2	170.00	0.80	0.85	231.20		
	5th Cross		2	150.00	0.80	0.85	204.00		
	6th Cross		2	95.00	0.80	0.85	129.20		
	over burden earth		1	28.00	1.50	0.90	37.80		
					TOTAL		**602.20**	137.80	**82984.00**
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
2	KSRB M2100-10: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration inlcuding curing for 14 days including cost of all materials labour, HOM curing, form works, scaffolding and centering complete as per specification . **(Pg.No.222, It.27.18)**								
	RCC DRAIN-BOTTOM								
	4th Cross		2.00	170.00	0.80	0.15	40.80		
	5th Cross		2.00	150.00	0.80	0.15	36.00		
	6th Cross		2.00	95.00	0.80	0.15	22.80		
					TOTAL		**99.60**	5421.90	**540022.00**
	Basic Rate:	cum	5115.00						
	Area Weightage @ 6%		306.90						
	Total		5421.90						

3	Providing and laying Plain/Reinforcement cement concrete M20 with OPC @ 320 kgs with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @ 0.46cum, with super plastisicer @3lts confirming to IS9103-1999 Reaffirmed-2008 in open foundation complete as per drawing andtechincal specifications including cost of all materials, labour HOM curing, form works, scaffolding and centering complete as per specifications.(Pg No.222, It No.27.27)								
	Bottom								
	4th Cross		2.00	170.00	0.60	0.15	30.60		
	5th Cross		2.00	150.00	0.60	0.15	27.00		
	6th Cross		2.00	95.00	0.60	0.15	17.10		
	Side Wall								
	4th Cross	**2x2**	4.00	170.00	0.15	0.45	45.90		
	5th Cross	**2x2**	4.00	150.00	0.15	0.45	40.50		
	6th Cross	**2x2**	4.00	95.00	0.15	0.45	25.65		
							186.75	5148.42	**961468.00**
	Basic Rate:	cum	4857.00						
	Area Weightage @ 6%		291.42						
	Total		5148.42						
4	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specificationsTMT Fe500.(Page No. Item No.28.8.2)								
	Reinforcement for side wall						186.75		
			At 55 Kg % per cum				**10.27**	72326.98	**742889.00**
	Basic Rate:	Tonne	68233.00						
	Area Weightage @ 6%		4093.98						
	Total		72326.98						
5	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / **rectangular sla**bs **/side walls** polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32)								
	SIDE WALL								
	4th Cross	2x4	8	170.00		0.45	612.00		
	5th Cross	2x4	8	150.00		0.45	540.00		
	6th Cross	2x4	8	95.00		0.45	342.00		
							1494.00	483.36	**722140.00**
	Basic Rate:	Sqm	456.00						
	Area Weightage @ 6%		27.36						
	Total		483.36						

6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	DETA RATE	**Sqm**							
	Covering Slab								
	4th Cross		569		0.60	0.75	256.05		
	5th Cross		502		0.60	0.75	225.90		
	6th Cross		305		0.60	0.75	137.25		
							619.20	2337.00	**1447070.40**
7	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
	Basic Rate	cum	**57.00**				602.20	94.34	**56812.00**
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10K		**32.00**						
	Total		**89.00**						
	Add Area Weightage6%		**5.34**						
			94.34						
8						**Sub Total**			**4553385.40**
9				**Add 12% GST charges**					**546406.25**
10				**Miscelleneous charges**					**208.35**
11						**Total**			**5100000.00**

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

ADMINISTRATIVE APPROVAL

Accorded For Rs. 51.00 lakhs

Head of A/c P-3602

Div. Ref. No. 97 Date 17/01/2020

EE(BTP) 17/01

AE

Accorded for Rs. 51,00,000/-

Rs in Words FIFTY ONE LAKH ONLY

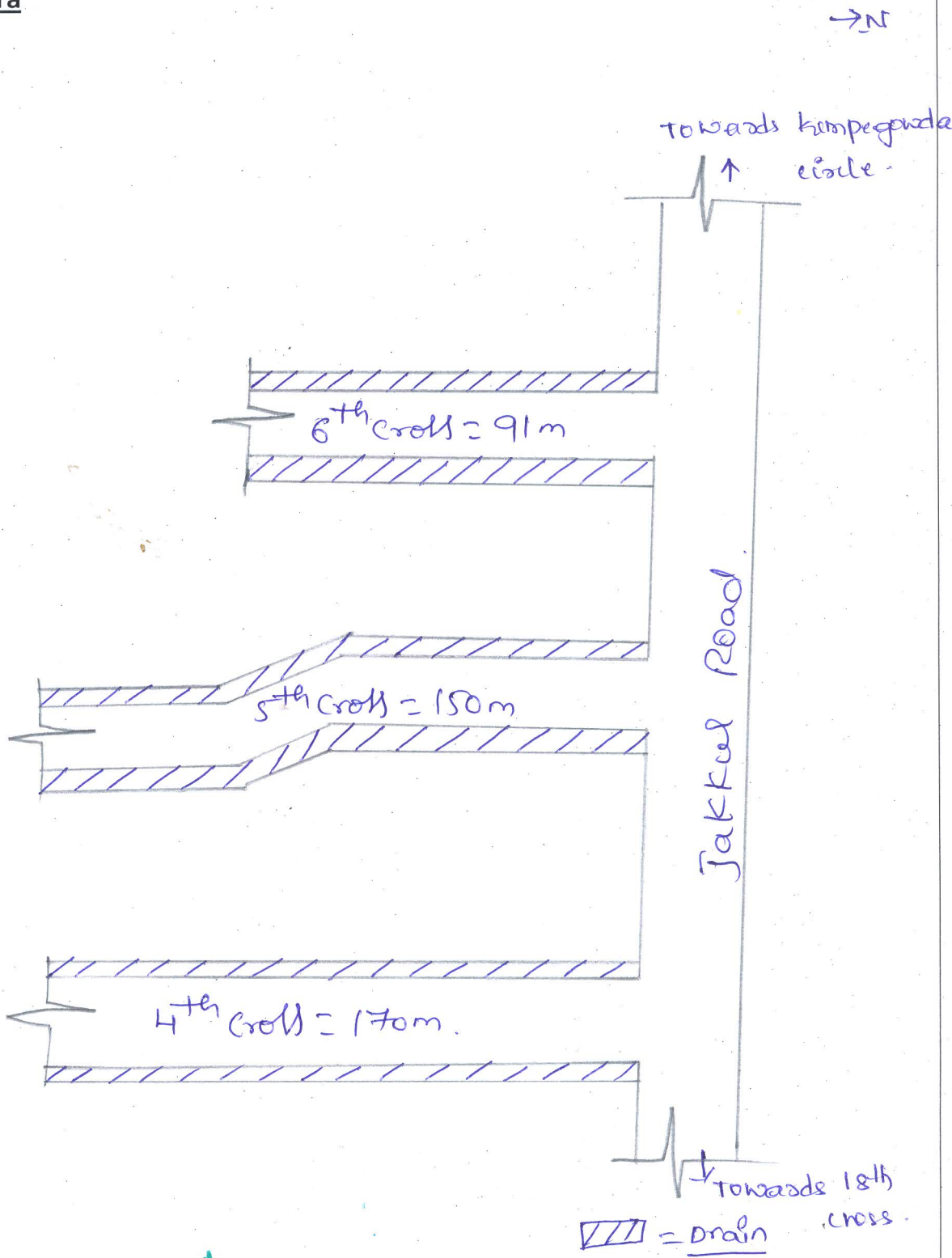
Under P 3602

Job Code No. 007-20-000076

Registered as SE(Y)/TS/ 27 /19-20 subject to conditions contained in enclosed memo No. 27 /19-20 Dated: 17/01/2020

17/01/2020

Name of work:- Improvements to drains from 4th cross to 6th cross of Navyanagara in ward No.7 Byatarayanapura



Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092